INTERNATIONAL DEFENSE REVIEW

List of Contents for 1980

No. 1

19 International Defense Digest
26 The Sino-NATO Military Link as Viewed by the Kremlin – some concluding thoughts *(Lt Col Al Biegel)*
35 Operations in the Enemy Rear – Soviet doctrine and tactics *(C. N. Donnelly)*
42 USAF Millimetre-Wave Seeker Developments *(Albert N. Di Salvio)*
47 The Matra *Super* 530 – the French Air Force's new air intercept missile
67 Air Defense Radars – solutions from Selenia *(Gowri S. Sundaram)*
70 The Royal Navy's Type 22 Frigate *(R. B. Pengelley)*
83 HELBAT – the way to tomorrow's artillery? *(R. B. Pengelley)*
89 AUSA '79 – crash programs to counter deployed Soviet armour
103 Spain and its Defense Organization – Part 2: The Defense Industry *(Lt Col J. Sánchez Méndez)*
109 A new Family of Tracked Armoured Vehicles from Brazil *(Ronaldo S. Olive)*
123 Defense Industry News
126 Major Defense Contracts
127 Weapons Systems and Equipment
132 The *Mini-Lupo* 1,500-t light frigate
133 Letters to the Editor
134 Books Received

No. 2

163 International Defense Digest
168 The Soviet Invasion of Afghanistan – some implications
170 European Consortium for Copperhead
187 The Japanese Self-Defense Forces, 1980 – issues, policies and technology for the coming decade *(Edward C. Ezell)*
198 Nuclear Proliferation in the Third World – problems and prospects for the 1980s *(Theodor H. Winkler)*
211 F/A-18 *Hornet* – one aircraft, one man, multiple missions *(Charles Gilson)*
235 CNR's Wadi-Class Corvette and its Derivatives *(R. J. L. Dicker)*
239 The AAAT – an armoured air-defense vehicle from Krauss-Maffei *(Hasso Erb)*
241 The Armoured M109 Ammunition Delivery System
251 Tactical Infrared *(W. M. Fraser)*
256 The Milan Night Sight
257 DFWES – a new heliborne anti-tank simulation system
275 Wavell Trials Successful – stage 2 now under way
277 Saurer launches new off-road vehicles
278 Defense Industry News
281 Major Defense Contracts
282 Research and Technology
284 Weapons Systems and Equipment
286 Letters to the Editor
286 Books Received

No. 3

311 International Defense Digest
317 First Production XM1s Handed Over
335 Svalbard – flashpoint of the far north? *(Thomas Ries)*
340 Japanese 1980 Defense Budget and Future R&D Programs *(Edward C. Ezell)*
351 NIS – a new identification system for NATO *(Dan Boyle)*
356 The *Walrus* Class – new submarines for the Dutch Navy *(Capt F. de Blocq van Kuffeler)*
367 ASW – the key to sea control *(Gowri S. Sundaram)*
377 MIN – the Italian Navy's mine disposal vehicle *(R. J. L. Dicker)*
395 The Vickers *Valiant* Battle Tank – a preliminary description *(R. B. Pengelley)*
400 Helicopters for the Central Front – Part 1 *(Mark Hewish)*
415 Defense Industry News
419 Major Defense Contracts
421 Research and Technology
424 Weapons Systems and Equipment

No. 4

459 International Defense Digest
463 Self-Support for South-East Asia's Dominoes
466 Malaysian Armoured Vehicle Competition
491 Luftwaffe Planning for the 1990s *(C. Regulus)*
495 *Patriot* – the US Army's mobile air-defense missile system nears production *(Rudi Meller)*
500 Future Frigate Procurement – a joint American/European proposal *(R. J. L. Dicker)*
502 The *Niels Juel* Corvette – a lesson in compact design
504 The M-class Frigate *(Capt. F. de Blocq van Kuffeler)*
531 REMBASS – the US Army's new battlefield sensor system *(Gowri S. Sundaram)*
536 The Barr & Stroud DF3 Fire-control System *(J. M. Ballantine)*
567 Asian Defense Expo' 1980
599 Manpack Radios – the state of the art
607 Defense Industry News
609 Major Defense Contracts
610 Research and Technology
612 Weapons Systems and Equipment
615 Books Received

No. 5

651 International Defense Digest
656 Future European combat aircraft – where do we go from here?
658 Is Reform Needed in NATO Arms Procurement? *(J. B. Koeppl)*
675 A New Trend in Soviet Naval Developments *(Michael MccGwire)*
681 The Development of Soviet Aviation Support *(James H. Hansen)*
686 ASRAAM – smoke without fire?
688 Boeing offers 707/ELX for TACAMO role
690 Second Mk 9 Corvette for Nigeria
707 Rifleman Training Systems – preparing the infantryman to fight *(Edward C. Ezell)*
712 Up-gunning the *Marder*
723 Renault Wheeled Armoured Vehicles *(R. M. Ogorkiewicz)*
728 Multiple Launch Rocket System to Counter Surge Attack *(J. Philip Geddes)*
733 *Dragoon* 300 – a new light armoured vehicle from the US *(Ramon Lopez)*
735 *Firos* 6 and *Firos* 25 – two new battlefield rocket systems from Italy.
737 A New Anti-Tank Weapon Family from Finland
755 *Sting Ray* – a new British lightweight torpedo *(R. B. Pengelley)*
758 Two New Pods for 7.62 and 12.7-mm Machine Guns *(Lt Col P. Crèvecœur)*
763 Defense Industry News
766 Major Defense Contracts
767 Weapons Systems and Equipment
770 The Electromagnetic Gun
771 Research and Technology
773 Letters to the Editor
774 Books Received

No. 6

799 International Defense Digest
803 NATO Armaments Co-operation – the official US DoD view
823 Soviet Mountain Warfare Operations *(C. N. Donnelly)*
851 Tactical-Missile Survey – Part 1: Ground Targets *(Mark Hewish)*
865 *Sea Harrier* Status Report *(Paul Maurice)*
883 Message Handling on Ships – rationalisation by distributed data processing *(Lt Cdr Siegfried Netzband and Heinz Schwarzer)*
887 VHSIC – advanced components for a new generation of weapon systems *(John Rhea)*
899 The 120-mm Tank Gun and its Ammunition – prospects for further performance improvements *(Dr Raimund Germershausen)*
903 Azimuth Gun-Laying for Indirect Fire *(Peter Gerber)*
904 *Cobra* – the world's first AFV with an electric transmission *(Lt Col P. Crèvecœur)*
923 International Naval Technology Expo 1980
935 Defense Industry News
937 Major Defense Contracts
938 Research and Technology
940 Weapons Systems and Equipment
944 Letters to the Editor

No. 7

979 International Defense Digest
982 French Nuclear Weapons – choices for the next twenty years *(Germain Chambost)*
983 UK puts off AV-8B/Mk 5 Harrier Choice
984 Disarmament Problems and the Position of West Germany *(Udo Philipp)*
986 Expanding Horizons for the Bundesmarine *(Thomas Ries)*
1003 NATO and Soviet Naval Design Practice – eight frigates compared *(Capt J. W. Kehoe, Car C. Graham, K. S. Brower and H. A. Meier)*
1033 The Evolution of C³I *(M. I. Thom)*
1036 Some Current C³I Concepts and Programs *(Gowri S. Sundaram)*
1067 Some Operational Aspects of the UH-60A Black Hawk *(Charles Gilson)*
1075 The US Army's Infantry and Cavalry Fighting Vehicles *(David G. Holmes)*
1082 AMX-32 – the latest French battle tank *(R. M. Ogorkiewicz)*
1111 Genoa hosts third Italian Naval Exhibition
1114 Highlights of the 1980 British Army Equipment Exhibition
1117 The Uru Submachine-gun *(Ronaldo S. Olive)*
1139 Defense Industry News
1142 Major Defense Contracts
1145 Weapons Systems and Equipment
1148 MORCOS Mortar Computer System *(A. R. E. Curtis)*
1149 Letters to the Editor

No. 8

1185 International Defense Digest
1188 Strike Eagle to Demonstrate Air-to-Ground Capabilities *(Charles Gilson)*
1190 The Chinese Ballistic Missile Program *(Mark Wade)*
1209 Mach 2, Reality or Myth? – the progression of maximum speeds in fighter aircraft *(Pierre Sprey)*
1213 Norway's New Armed Coastguard Vessels *(Derek Wood)*
1216 Lürssen Strengthens Stake in FPB Market
1233 US Tube-Launched Smart Anti-Tank Munitions *(Gowri S. Sundaram)*
1237 Teledyne's Super M60 Battle Tank *(R. M. Ogorkiewicz)*
1242 AFV Fuel Fire Suppression – a three-sensor system from Graviner *(R. J. L. Dicker)*
1261 Internal Security Equipment Survey
1285 Military Highlights from Farnborough International '80
1301 Defense Industry News
1305 Major Defense Contracts
1306 Karlskrona Update
1308 Weapons Systems and Equipment
1311 Letters to the Editor

No. 9

1343 International Defense Digest
1346 Bal-Com I and Bal-Com II at sea – a photo-report
1348 Letters to the Editor
1350 Sweden Searches for a JAS Powerplant
1367 NATO Strategy under Discussion in Bonn *(Udo Philipp)*
1372 Troika and MP-MCMS – two mine-countermeasures systems from Krupp MaK *(R. J. L. Dicker)*
1391 FMC's Armoured Infantry Fighting Vehicle *(R. M. Ogorkiewicz)*
1396 Key Management in Cryptographic Systems *(Kirk H. Kirchhofer)*
1415 Trends in Radar Missile Guidance *(Dr Hans A. Maurer)*
1431 Tactical Missile Survey – Part 2: air targets *(Mark Hewish)*
1463 MEDE '80 – success amidst protest
1468 Thermal Imaging Common Modules Programs Hit Heavy Weather *(Mark Hewish)*
1473 Defense Industry News
1475 Major Defense Contracts